

- Abacidus*, 594
Abax, 579
aberti, *Ammophila*, 121
Acercaria, 61
Acilius semisculatus, 84
acraea, *Estigmene*, 113, 115
Acricotopus, 81
Actenonyx, 147
 bembidioides, 147
Aculeata, 126
acuminatus, *Carabus*, 580
adelgids, 59
Adephaga, 240, 242
Adisoemarto, S., 499, 505-576
aduncus, *Drepanocladus*, 71
Aeolothripidae, 26, 54, 55, 60, 64, 65
Aeolothrips fasciatus, 60, 62
 intermedius, 65
Aeshna interrupta, 83, 89, 90
aethiops, *Carabus*, 585
affinis, *Ammophila*, 127
affinis, *Dialineura*, 577
affinis, *Gambusia*, 99, 101
affinis, *Podalonia*, 122
 "*Africanæ spuriae*" species group,
 Phloeoxena, 179
Agabus, 84
 antennatus, 84
agilis, *Carabus*, 581
agilis, *Hanseniella*, 19
Agoni, 593
Agonina, 593, 594, 595
agonines, 145, 152, 154
Agonini, 6, 239, 593, 619
Agonochila, 145
Agonum, 579
 convexulum, 7
Agromyza, 131
Agromyzidae, 113, 129-142
alaskensis, *Callicorixa*, 79
albata, *Dialineura*, 577
albicornis, *Dioctria*, 509, 514
albicornis, *Dioctria* (*Nannodioctria*), 514,
 515, 516, 519, 521, 553, 559, 560, 563,
 565, 566, 567, 569
albicornis, *Dioctria* (*Neodioctria*), 514
albipes, *Carabus*, 579
albius, *Dioctria*, 537, 539
albius, *Dioctria* (*Eudioctria*), 539
 albius, *Eudioctria*, 537, 538, 539, 540, 545,
 548, 549, 553, 559, 560, 564, 565, 566,
 567, 568, 571, 574
albius f. *aurifaces*, *Dioctria* (*Eudioctria*),
 539, 540
albius f. *xanthopennis*, *Dioctria* (*Eudioctria*),
 539, 540
albius group, *Eudioctria*, 537, 539, 541, 547,
 548
alder, 523
Alexiopogon, 555
Aleyrodidae, 59, 64
algae, 74, 98, 101, 105, 109
alligator juniper, 117
Allolobophora, 103
 caliginosa, 105
Allotriopus, 595, 596
Alluaud, C., 180, 239,
Alpaeus, 580
 angusticollis, 580
 castaneus, 580
 ferrugineus, 580
 gagates, 580
 tibialis, 580
alpestris, *Myosotis*, 134, 136
alpinus, *Carabus*, 580
Amara, 580
 lunicollis, 580
americana, *Hackelia*, 134
americana, *Periplaneta*, 18
Ammophila, 115, 117, 126, 127
 aberti, 121
 affinis, 127
 harti, 124
 pictipennis, 124
 procera, 121
 tydei, 127
Amphipoda, 89
Anchomenus, 580
 convexulus, 6
 melanarius, 162
Anchusa, 132
Anchuseae, 130
Anderson, D. T., 60, 65
Anderson, H. W. (see *Petrocelli*, S. R.), 104,
 109
Andrewes, H. E., 579, 582, 585
Andrews, A. K. (see *Bridges*, W. R.), 69, 70,
 85, 86, 87, 92, 93, 98, 107

- angulatum*, *Coenagrion*, 82, 83
angusticollis, *Carabus*, 580, 582, 584
anilis, *Dialineura*, 577
 anisodactylines, 242
 Anisoptera, 81, 89, 499
 Annelida, 16
anomalus, *Ithytolus*, 591, 598, 599, 600
anomalus, *Pterostichus* (*Ithytolus*), 600, 605
anomalus, *Pterostichus* (*Ophryogaster*), 600
 Antarciina, 595
antennatus, *Agabus*, 84
anthracinus, *Carabus*, 585
 ants, 121, 125
 harvester, 117
 anurans, 234
 Apache plume, 116, 117, 118
 aphids, 59
Aphilanthops, 126
Aphoebantus, 511
 obtectus, 576
 Apioceridae, 506
 Apocrita, 60
 Applegate, R. L. (see Hannon, M. R.), 98, 108
apricarius, *Carabus*, 580
Aptinus, 580
aquatilis, *Carex*, 71
 Archaeodiptera, 4
 Archidiptera, 3, 5
Architipula radiata Rohd., 5
 Arctiidae, 113, 115
 Arellano, A. R. V. (see Durham, J. W.), 241
argentatus, *Dicolonus*, 524
Aristus, 582
 Arizona cypress, 117
 grape, 117
 sycamore, 117
 walnut, 117
arizonica, *Cupressus*, 117
arizonicus, *Vitus*, 117
 Armstrong, A. E. (see Frank, R.), 102, 104, 105, 108
 Arthropoda, 8, 10, 11, 13, 14, 15, 16, 17, 18, 66, 501, 502
asiatica, *Myosotis*, 134, 136
 Asilidae, 499, 505-576
 Asilinae, 506
 Asilomorpha, 4, 506, 507
Asilus oelandicus, 516
 aspen, 523
Asperugo, 132
assimilis, *Carabus*, 580, 584
Astata, 114, 126
 occidentalis, 122
 Astatinae, 127
aterrimus, *Carabus*, 583, 584
atherodes, *Carex*, 71
 Atlantic herring, 102
atopodonta, *Helisoma*, 79
atratus, *Prionyx*, 121
atricallipus, *Carabus*, 581
atricornis, *Phytomyza*, 137
atrocyanea, *Podalonia*, 122
audeni, *Callicorixa*, 78, 79, 85
aulicus, *Carabus*, 580
aurata, *Dialineura*, 577
australis, *Dioctria* (*Nannodioctria*), 505, 514
 515, 516, 519, 521, 553, 559
austriacus, *Carabus*, 579
azteca, *Hyallemma*, 92
Aztecarpalus, 239
azureus, *Carabus*, 581, 582
azureus, *Dinodes*, 581
 Back, E. A. 518, 524, 525, 551, 554
Bactridothrips brevitubus, 55, 58, 66
 Badonnel, A. 61, 63, 65
Bagnalliella yuccae, 28, 61, 62
 Bailey, S. F., 39, 65
 Baker, E. A. (see Skerrett, E. J.), 76, 95
 Ball, G. E., 1-2, 143-242, 499-500, 591-619
 Ball, R. L. (see Hamelink, J. L.), 104, 105, 106, 108
balsamifera, *Populus*, 71
 Banks, N., 517, 541, 543, 544, 554
banksi, *Dioctria*, 544
banksi, *Dioctria* (*Eudioctria*), 544
 Barry, H. C., 76, 92
 Barton, J. R. (see Bradshaw, J. S.), 76, 92
 Basilewsky, P., 147, 148, 152, 166, 240, 579, 581, 582, 585
 Bates, H. W., 6, 148, 154, 162, 163, 166, 172, 174, 175, 176, 178, 194, 195, 199, 201, 215, 240, 593, 598, 599, 600, 605, 606, 607, 610, 611, 616, 619
baumhaueri, *Dioctria*, 519
baumhaueri, *Dioctria* (*Dioctria*), 513, 517, 519, 553
 Bayrock, L. A., 71, 92

- beameri*, *Dioctria* (*Eudioctria*), 540
beameri, *Eudioctria*, 537, 546, 547, 548, 553, 572, 575
beckii, *Lepidosaphes*, 59
 Bedel, L., 582, 585
 Bedford, J. W., 104, 107
 beetles, 102, 103, 165, 194, 208, 210, 238, 239, 240, 241, 586, 593, 594, 617
 Beiger, M., 129, 130, 137
bembidioides, *Actenonyx*, 147
bembidioides, *Ochropisus*, 165
Bembix, 117
beringiana, *Phytomyza*, 129, 130, 131, 135-136, 140, 142
 Bibionomorpha, 4
bicolor, *Lelis*, 174
Bicyrtes, 117
 Bigot, J. M. F., 528, 554
biguttatus, *Laccophilus*, 84
 Billberg, G. J., 582, 583, 586
bimaculatus, *Gryllus*, 63, 66, 67
Biomphalaria glabrata, 93
 birch, 523
 Bischoff, A. I. (see Hunt, E. G.), 70, 94, 98, 108
 blackfly, 95, 99
 Blackwelder, R. E., 6, 156, 159, 162, 163, 166, 172, 174, 175, 176, 178, 240
 Blanchard, C. E., 176, 240
Blaps spinipes, 584
 Blephariceridae, 501
 Blephariceromorpha, 4
Blethisa, 580
 blister beetle, 9
 bloodworm, 88
 bluebottle, 111
 bluegills, 94, 102, 104
 bluegrass, Kentucky, 71
 Bodenstein, D., 60, 65
 Boelens, R. G. (see Frank, R.), 102, 104, 105, 108
 Bohart, R. M., 114, 115, 121, 126
Bohartia, 505, 507, 508, 510, 511, 512, 513, 523, 529, 530, 531, 532, 533, 534, 535, 553
bromleyi, 529, 530, 531, 533, 534, 535, 553, 570
isabella, 505, 530, 531, 532, 533, 534, 535, 553, 559, 560, 561, 564, 565, 566, 567, 568, 570, 574
Bohartia (continued),
martini, 505, 530, 531, 533, 534, 535, 553, 564, 566, 570, 574
munda, 505, 530, 531, 533, 534, 535, 553
nitor, 505, 530, 532, 533, 534, 535, 553
senecta, 505, 530, 532, 533, 534, 535, 553
tenuis, 505, 530, 533, 534, 535, 553
 Bombyliidae, 121, 123, 507, 511
Bombylius, 111
 Bonelli, F. A., 579-585
bonellii, *Carenum*, 581
 Bonner, F. L., (see El Sayed, E. I.), 102, 108
 Booth, G. M., 104, 107
 Boothe, P. N., 104, 107
 Boraginaceae, 113, 129-142
Borago, 132
borealis, *Carabus*, 580
 Borkhausen, M. B., 582, 586
 Borovicka, R. L. (see Terriere, L. C.), 98, 110
 Bowser, W. E., 71, 92
Brachinus mutilatus, 580
 Brachycera, 3, 509
 Brachyninae, 241
 Bradshaw, J. S., 76, 92
 Brady, U. E. (see Wallace, J. B.), 99, 100, 104, 105, 110
 Bradycellina, 594
brassicae, *Pteris*, 65
 Braulomorpha, 4
 Braun, H. E. (see Frank, R.), 102, 104, 105, 108
 Breidenbach, A. W., 70, 75, 92
 Breitschreier, W. E. (see Kadis, V. W.), 91, 92, 94
brevis, *Dioctria*, 543,
brevis, *Dioctria* (*Eudioctria*), 543
brevis, *Eudioctria*, 537, 538, 543, 546, 547, 548, 553, 559, 573, 575
brevispina, *Cyrtolaus*, 591, 598, 599, 600, 602, 604, 606, 608, 609, 612, 613, 615, 616, 617, 618
brevitubus, *Bactridothrips*, 55, 58, 66
 Bridges, W. R., 69, 70, 85, 86, 87, 92, 93, 98, 107
 Britton, E. B., 147, 154, 240
 Brocksen, R. W. (see Chadwick, G. G.), 104, 105, 106, 107
 bromeliads, 145, 183
 Bromley, S. W., 515, 540, 551, 554
bromleyi, *Bohartia*, 529, 530, 531, 533, 534, 535, 553, 554, 570

- bromleyi*, *Dioctria* (*Bohartia*), 530
Broscus, 581
 Bruce, W. N., (see Leland, H. V.), 103, 109
 Brullé, A., 580, 582
bucephalus, *Scarites*, 582
 Buescher, C. A., 70, 93
 Buffa, P., 60, 65
 buffalo, 102
 bullhead, black, 102
 Bullock, T. H., 62, 65
 bulrush, great, 71
 Buprestidae, 499, 587-589
buprestoides, *Carabus*, 582
 burbot, 102
 Burke, J. A. (see Barry, H. C.), 76, 92
 Butler, P. A., 104, 107
 Butt, F. H., 8, 10, 15, 16, 17, 20, 21
buxi, *Psylla*, 59, 68
Bycanistes cristatus, 154
 cabbage butterfly, 13
Caccinia, 132
 caddisfly, 99
Calathus, 239, 580, 594, 619
caliginosa, *Allolobophora*, 105
Callicorixa alaskensis, 79
 audeni, 78, 79, 85
 Callistinae, 585
Callistus, 580, 581
calydonius, *Scarites*, 582
 Campbell, R. S. (see Johnson, B. T.), 88, 92,
 94, 97, 105, 106, 108
Camponotus vagus, 67
Cancer poguras, 100
 cane cholla, 117
 Carabidae, 6, 102, 103, 104, 113, 143-242,
 199, 579-586, 591-619
 Carabinae, 148
Carabus acuminatus, 580
 aethiops, 585
 agilis, 581
 albipes, 579
 alpinus, 580
 angusticollis, 580, 582, 584
 anthracinus, 585
 apricarius, 580
 assimilis, 580, 584
 aterrimus, 583, 584
 atricallipus, 581
 aulicus, 580
Carabus (continued),
 austriacus, 579
 azureus, 581, 582
 bombarda, 580
 borealis, 580
 buprestoides, 582
 cephalotes, 581
 cinctus, 583
 circumscripatus, 583
 cisteloides, 580
 communis, 580
 confluens, 584
 coriaceus, 585
 croesus, 583
 cupreus, 585
 cycanocephalus, 583
 dimidiatus, 585
 dorsalis, 580
 elatus, 584
 elevatus, 169
 ericeti, 580
 eurynotus, 580
 fasciatopunctatus, 583, 585
 fasciolatus (= *Buprestis connexus*), 585
 ferrugineus, 580
 festivus, 581
 flavicornis, 582
 flavipes, 579
 fuliginosus, 579
 fulvus, 580
 fuscipes, 580
 halensis, 582
 helipiodes, 584
 hellwigii, 580
 holosericens, 581
 illigeri, 584
 impiger, 579
 impressus, 579
 interruptus, 582
 janthinus, 583
 jurine, 585
 kugelanni, 585
 laevigatus, 584
 leucoptthalmus, 584
 longicornis, 582
 lunatus, 581
 lutescens, 579
 marginatus, 579, 581
 melanocephalus, 580

- Carabus* (continued),
metallicus, 585
multipunctatus, 580
niger, 584, 585
nigricornis, 581
nigrita, 583, 584, 585
oblongopunctatus, 585
ovalis, 579
pallipes, 580
panzeri, 585
parallelepipedus, 579
parumpunctatus, 580
pavidus, 579
paykullii, 584
picipes, 579
prasinus, 580
quadrimaculatus, 581, 582
rotundatus, 579
scrobiculatus, 580
sempunctatus, 579
spoliatus, 581
striola, 579
striolatus, 579
subcyaneus, 583
terricola, 583, 584
torridus, 580
truncatellus, 582
vernalis, 585
vestitus, 581
viduus, 579
vivalis, 579
vulgaris, 580
zonatus, 581
Carausius morosus, 18
Carcinus maenas, 100
Cardium edule, 100
Carenium, 580
bonellii, 581
Carex aquatilis, 71
atherodes, 71
rostrata, 71, 74, 85
carolinensis, *Echthodopa*, 550, 551, 552, 554
carp, 102
carp suckers, 102
Casey, T. L., 6
castaneum, *Tribolium*, 154
castaneus, *Alpaeus*, 580
Catapiesini, 619
Catapiesis, 595
Catascopellus, 143, 152, 153, 155, 169, 171, 239
crassiceps, 170, 171
Catascopi, 147
Catascopidius, 166
Catascopina, 143, 147
Catascopus, 143, 145, 147, 149, 152, 153, 154, 155, 156, 166-168, 169
(sensu latissime), 166-168
(Catascopus), 153
chontalensis, 158, 167, 169
hardwickii, 166
mexicanus, 169
obscuriviridis, 169
validus, 167
caterpillar, 115, 125, 127
catfish, channel, 102, 104, 107
Catostomidae, 523
Catostomus catostomus, 523
catostomus, *Catostomus*, 523
cattail, 71
caudalis, *Ochropisus*, 163, 165
Cepaea hortensis, 104, 107
Cephalotes, 580
cephalotes, *Carabus*, 581
Ceratophyllum demersum, 71, 74, 85
Ceraturgus lobicornis, 528
Cerceris, 117
cerealium, *Limotheus*, 55, 58, 63, 65
Cerinth, 132
Chadwick, G. G., 104, 105, 106, 107
chalybea, *Podalonia*, 122
championi, *Percolaus*, 594
Chandler, J. H. (see *Sanders*, H. O.), 88, 95
Chapman, R. F., 9, 17, 60, 61, 62, 65
Chaudoir, M. de, 147, 148, 156, 159, 161, 166, 172, 174, 175, 176, 178, 179, 180, 200, 201, 208, 209, 215, 240, 579, 583, 584, 586, 600, 605, 619
chaudoiri, *Phloeotherates*, 158
chaudoiri, *Stenognathus*, 143, 162, 163, 164
Chaudonneret, J., 12, 17, 20, 21
Chelicerata, 8
Chelonodema, 175
Chesters, G., 70, 93
Chilopoda, 19
Chironomidae, 79, 80, 81, 89, 90, 92, 104, 107
Chironomus, 80, 81, 90

- Chironomus* (continued),
tentans, 105, 107
Chlaenius, 581
cholla cactus, 117
chontalensis, *Catascopus*, 158, 169
Chromatomyia, 131
horticula, 132
Chrysopilus, 511, 576
Chrysopogonini, 507
Church, N. S. (see Rempel, J. G.), 8, 10, 15,
16, 17, 18, 20, 22
cicada killer, 127
Cicindela, 619
Cicindelidae, 239, 241, 242
Cicindelinae, 619
cinctus, *Carabus*, 583
circumscriptus, *Carabus*, 583
cisteloides, *Carabus*, 580
civile, *Enallagma*, 82, 83
Clairville, J. P. de, 583
clam, 101
clypeadon, *Laticinctus*, 114
Coats, J. R. (see Kapoor, I. P.), 108
Coccina, 60
Coccinea, 66
Coccoidea, 59, 63
cockle, 100
Cocks, J. A., 70, 93
cod, 102
Coenagrion angulatum, 82, 83
resolutum, 82, 83
resolutum—*Enallagma cyathigerum*, 83
Coenagrionidae, 83
Cole, F. R., 511, 517, 555, 577, 578
Coleoptera, 6, 7, 17, 18, 19, 60, 63, 65, 113,
143-242, 245-498, 579-586, 587-589,
591-619
collaris, *Coptodera*, 215
Collins, H. L., 99, 107
Colpodes, 240, 594, 619
tinctipennis, 6
Colymbetes, 84
sculptilis, 84
communis, *Carabus*, 580
communis, *Podalonia*, 122, 124
complanata, *Glossiphonia*, 81
complanatus, *Pristonychus*, 583
concolor, *Ochropisus*, 143, 158, 165-166,
167
confluens, *Carabus*, 584
congener, *Lestes*, 83
consimilis, *Rhantus*, 84
consularis, *Platynus*, 6
convexulum, *Agonum*, 6
convexulus, *Anchomenus*, 6
convexulus, *Platynus*, 6
Cooke, A. S., 90, 93
Coon, F. B., 70, 94, 98, 108
Cope, O. B., 70, 86, 88, 93, 104, 105, 106, 107
Coptodera, 143, 149, 152, 153, 154, 156, 163
168, 172, 176, 234, 240
collaris, 215
(*Coptodera*), 153, 176-178
elongata, 173, 177
emarginata, 176
fasciatopunctata, 175
signata, 205, 213
Coptoderides, 147
Coptoderina, 143, 177, 241
Coptoderitae, 147, 152
Coquillett, D. W., 516, 536, 555, 577
Corbet, P. S., 69, 93, 499-500
Corbicula manilensis, 101
Corduliidae, 499
coriaceus, *Carabus*, 585
coriaceous, *Phlaeothrips*, 60, 62
Corixidae, 78, 79, 81, 88, 90, 91, 99
cornuta, *Corydalis*, 99, 100
cornutus, *Laemostenus*, 583
corsicus, *Harpalus*, 584
Corydalis cornuta, 99, 100
costata, *Phloeoxena* (*Phloeoxena*), 182, 184,
187, 191, 192, 193, 222, 225, 227, 229,
231, 232
costatus, *Helluo*, 583
costiferum, *Sympetrum*, 82
cotton, 65
Cottus perplexus, 105
Coulson, J. C., 88, 93, 99, 106, 110
crab, 98, 101
marsh, 104
shore, 100
Crabtree, A. N. (see Robinson, J.), 88, 93, 99,
106, 110
Craig, D. A., 111-112, 501, 243-244, 621
Crampton, G. C., 508, 509, 511, 555
crappie, black, 102
white, 102

- crassiceps*, *Catascopellus*, 170, 171
Cratocerina, 595
 crayfish, 89, 98, 99
 Creutzer, C., 583, 585
 crickets, 103
Cricotopus, 81
cristatus, *Bycanistes*, 154
 Croker, R. A., 85, 86, 87, 93
 Crosby, D., G., 88, 93, 105, 107
 Cross, P. M., (see Hearle, J. W. S.), 28, 66
 Crustacea, 8, 13, 19, 100
Cryobius, 594
 Csiki, E., 6, 147, 148, 156, 159, 162, 163, 166, 172, 174, 175, 176, 178, 240, 599, 600, 606, 607, 610, 611, 619
Ctenodactylini, 148
Culex pipiens, 88
 pipiens quinquefasciatus, 101
 Cummins, K. W., 98, 107
cuneata, *Rhangia*, 109
Cupressus arizonica, 117
cupreus, *Carabus*, 585
Cursorius, 582
 Curtis, J., 580, 581, 583, 585, 586
 Cutten, F. E. A., 4
 cutworms, 115, 122
cyanellus, *Lepomis*, 99
cyaneus, *Scarites*, 581
cycanocephalus, *Carabus*, 583
cyathigerum, *Enallagma*, 82, 83
Cyclops, 77
Cyclorhapha, 3, 4, 59, 60
Cymindina, 147
Cynoglossum, 132
Cyrtolaina, 591, 595
Cyrtolaus, 499, 591-619
 brevispina, 591, 598, 599, 600, 602, 604, 606, 608, 609, 612, 613, 615, 616, 617, 618
 (*Cyrtolaus*), 598, 599, 606, 607, 609, 614, 616
 furculifer, 591, 598, 599, 600, 602, 605, 606, 608, 609, 610, 611, 612, 613, 615, 617, 618
 grumifer, 591, 598, 599, 600, 602, 604, 606, 608, 609, 610, 611, 612, 613, 615, 617, 618
 (*Ithytolus*) *orizabae*, 591, 598, 599, 600, 601, 603, 605, 607, 612, 613, 615, 617
 lobipennis, 591, 598, 599, 600, 601, 603, 548, 549, 553, 572, 575
Cyrtolaus, (continued),
 lobipennis, (continued), 606, 607, 610, 613, 615, 616, 617
 newtoni, 591, 598, 599, 600, 602, 606, 608, 609, 612, 613, 614, 615, 616, 618
 orizabae (= *anomalous*), 616
 ricardo, 591, 597, 598, 599, 600, 602, 603, 606, 608, 609, 611, 613, 615, 617, 618
 spinicauda, 591, 598, 599, 600, 601, 603, 606, 607, 609, 610, 611, 613, 615, 616, 617
 subiridescens, 591, 598, 599, 600, 601, 603, 606, 607, 608, 609, 612, 613, 615, 616, 617, 618
 Daborn, G. R., 74, 93
Dacus tryoni, 65
Damalini, 507
Damalus, 507
dama, *Scarites*, 582
Damerothrips, 65
Daphnia, 77, 101, 105
 magna, 88, 93, 95, 107, 110
 Darlington, P. J., Jr., 154, 166, 169, 176, 184, 187, 188, 189, 190, 223, 224, 234, 235, 238, 240, 523, 555, 594, 617, 619, 621
Dasygogoninae, 506, 507, 511, 554, 556
 Davies, R. G., 26, 55, 58, 60, 65
 Davis, B. N. K., 99, 102, 104, 107
 Davis, J. R. (see Collins, H. L.), 99
davisi, *Plenoculus*, 114
dealata, *Phloeoxena* (*Phloeoxena*), 181, 188, 189, 191, 192, 193, 225, 227, 229, 231, 232, 238
 Deans, I. R. (see Coulson, J. C.), 88, 93
decipiens, *Harpalus*, 582
decoratella, *Scirpus*, 79
 Degeer, C., 580
 Dejean, P. F. M., 166, 169, 176, 178, 205, 213, 240, 241, 580, 581, 582, 583, 584, 586
 de la Cruz, A. A. (see Naqvi, S. M.), 99, 101, 109
 de Lappe, B. (see Risebrough, R. W.), 102, 110
 Demerec, M., 8, 18
demersum, *Ceratophylum*, 71, 74, 85
Demetrius, 581
dentifer, *Pristolomus*, 158, 162
dentifer, *Stenognathus*, 162, 164
denuda, *Eudioctria*, 537, 539, 542, 543, 545, 548, 549, 553, 572, 575

- depressus*, *Scarites*, 584
Derbeneva, N. N., 55, 64, 65
Deroceras, 103,
Derr, S. K., 97, 104, 105, 107
Des Gozis, M., 582
Deuterophlebiomorpha, 4
Dialineura, 499, 577-578
 affinis, 577
 albata, 577
 anilis, 577
 aurata, 577
 gorodkovi, 577, 578
 intermedia, 577
 lyneborgi, 577
 mongolica, 577
 nigrofemorata, 577
Diaptomus, 77
Diaspididae, 59
Dicaelus, 581
 elongatus, 581
 purpuratus, 581
 teter, 581
 violaceus, 581
Dicolonus, 505, 506, 508, 510, 511, 512,
 513, 523, 524, 526, 527, 553
 argentatus, 524
 medium, 505, 524, 525, 526, 527, 553,
 561, 567
 nigricentrum, 505, 524, 525, 526, 527,
 553, 567
 pulchrum, 505, 524, 525, 526, 527, 553
 simplex, 524, 525, 526, 527, 553, 559,
 561, 565, 573, 575
 sparsipilosum, 504, 524, 525, 526, 527,
 553
Dicrotendipes, 81
digger wasp, 113-127
dimidiatus, *Carabus*, 585
Dimond, J. B., 69, 70, 93, 103, 107
Dindal, D. L., 104, 107
Dinkelman, M. G. (see Malfait, B. T.), 234,
 235, 242
Dinodes, 581
 rotundicollis, 581
 rufipes, 581
Dioctria, 499, 505-576
 albicornis, 509, 514, 553
 albius, 537, 539
 banksi, 544
Dioctria, (continued),
 baumhaueri, 519
 (*Bohartia*) *bromleyi*, 530
 brevis, 543
 (*Dioctria*), 507, 513, 518
 baumhaueri, 513, 517, 519, 553
 henshawi, 517, 520, 521, 522, 553, 560,
 563, 569
 pleuralis, 517, 518, 520, 521, 522, 553,
 559, 560, 563, 566, 567, 568, 569
 pusio, 517, 518, 520, 521, 522, 553,
 559, 560, 563, 565, 574
 seminole, 515, 553
 vera, 517, 518, 520, 521, 522, 553, 569,
 574
 wilcoxi, 505, 517, 518, 520, 521, 522,
 553, 569, 574
 doanei, 540
 (*Eudioctria*) *albius*, 539
 f. aurifacies, 539, 540
 f. xanthopennis, 539, 540
 banksi, 544
 beameri, 540
 brevis, 543
 doanei, 540
 media, 541
 monrovia, 542
 nitida, 542
 f. denuda, 542
 propinqua, 540
 sackeni, 544
 sackeni rivalis, 544
 tibialis, 544
 flavipes, 517
 henshawi, 517
 longicornis, 544
 longicornis var. *tibialis*, 544, 545
 media, 541
 (*Metadioctria*) *rubida*, 536
 rubida atripes, 536
 rubida nigripilosa, 536
 (*Nannodioctria*) *albicornis*, 514, 515, 516,
 519, 521, 553, 559, 560, 563, 565, 566,
 567, 569
 australis, 505, 514, 515, 516, 519, 521,
 553, 559
 seminole, 514, 515, 516, 519, 521, 553,
 559, 560, 563, 565, 566
 (*Neodioctria*) *albicornis*, 514

- Dioctria* (continued),
nitida, 542
parvula, 538
pleuralis, 517
propinqua, 540
pusio, 518
rubida, 535
rubidus, 536
sackeni, 544
sackeni f. rivalis, 544
(sensu latiore), 530
vera, 518
Dioctriini, 505, 506, 507, 509, 510, 511,
 512, 513, 523, 536, 553
(sensu stricto), 505, 508, 511
Diodontus virginiana, 121
Diplocardia, 103
Diplocheila, 619
Diplopoda, 19
Diptera, 3-5, 59, 60, 95, 107, 111-113, 121,
 129-142, 499, 501, 505-576, 577-578
disjuncta, *Eudioctria*, 537, 538, 543, 544,
 546, 547, 548, 553
disjunctus, *Lestes*, 83
dispar, *Hygrotus*, 84
dispar, *Myelaphus*, 528
dissimilis, *Eudioctria*, 509, 538, 541, 542,
 545, 548, 549, 553, 571, 574
Ditonus, 582
Dixit, P. N., 8, 18
Dixus, 582
doanei, *Dioctria*, 540
Dioctria (Eudioctria), 540
Eudioctria, 537, 539, 541, 546, 547, 548,
 553, 572, 575
doanei group, (Eudioctria), 537, 540, 547,
 548
Doeksen, J., 26, 60, 61, 65
Dolichus, 582
dorsalis, *Carabus*, 580
Dougherty, J. H. (see Buescher, C. A.), 70, 93
Douglas, C. W. (see Frank, R.), 102, 104,
 105, 108
Downe, A. E. R. (see Wallace, R. R.), 69, 95
dracaenae, *Parthenothrips*, 28
dragonfly, 99, 110
Drepanoclauius aduncus, 71
Dromius, 582
Drosophila, 8, 18, 65
Drosophila, (continued),
melanogaster, 59, 67
Dryudella, 114
duck weed, 71
Duellman, W. E., 234, 238, 241, 617, 618, 619
Dufour, L., 582
Duftschmid, C. E., 579, 581, 582, 583
Duggan, R. E., (see Barry, H. C.), 76, 92
Duponchel, D. A. J., 584, 586
DuPorte, E. M., 10, 15, 17, 20, 21
Durham, J. W., 241
Dustman, E. H., 88, 93, 103, 104, 106, 107
Dyschromus, 595, 596
Dytiscidae, 81, 84, 88, 89, 90, 91, 245-498
Index to Generic Names, 497
Index to Keys, 497
Index to Species Names, 497
Dytiscus, 84
ooligbucki, 84
Eassa, Y. E. E., 60, 65
Eastham, L. E. S., 13, 14, 15, 16, 18, 20, 21
Eastop, V. F. (see Woodward, T. E.), 59, 64,
 68
ebenius, *Platynus*, 6
Eberhardt, L. L., 86, 90, 93
Echinus esculentis, 100
Echium, 132
Echthodopa, 505, 506, 508, 510, 511, 512,
 513, 523, 548, 549, 550, 551, 552, 553
carolinensis, 550, 551, 552, 553
formosa, 550, 551, 552, 553
pubera, 549, 550, 551, 552, 553, 559, 562,
 565, 573, 575
Echthodopini, 505, 506, 507, 508, 509, 510,
 511, 512, 513, 520, 523, 536, 538, 553
Echthopoda, 549
Echthodopa, 549
Echtopoda, 549
Eddy, C. O., 28, 65
edule, *Cordium*, 100
edulis, *Mytilis*, 100
Edwards, C. A., 70, 88, 93, 98, 99, 103, 104,
 105, 106, 108
Edwards, R. W., 69, 86, 93
Egan, H. (see Edwards, R. W.), 69, 86, 93
Eichelberger, J. W., Jr. (see Breidenback, A. W.),
 75, 92
Einfeldia pagana, 81
pectoralis, 81

- Elateridae, 102
elatus, *Carabus*, 584
elevatus, *Carabus*, 169
elevatus, *Scaphinotus*, 169
 Eller, L. L. (see Kennedy, H. D.), 69, 94
Ellipsoptera, 619
Elliptoleus, 594
Elodea, 101
elodes, *Lymnaea*, 78, 79, 90
elongata, *Coptodera*, 173, 177
elongatus, *Dicaelus*, 581
 El Sayed, E. I., 102, 108
emarginata, *Coptodera*, 176
 Emden, F. I., van, 149, 241, 509, 511, 555
emoryi, *Quercus*, 117
Enallagma civile, 82, 83
 -Coenagrion, 82, 83
 cyathigerum, 82, 83
 hageni, 82, 83
encelioides, *Verbesina*, 116, 117
Enceladus, 583
 gygas, 583
Endochironomus, 81
 endomychids, 176
 Engel, E. O. 513, 523, 555
equestris, *Lygaeus*, 502
Epomis, 583
ericeti, *Carabus*, 580
 Ernst, K. -D., 63, 65
Erotidothrips, 65
Erotylidae, 154, 176
Erpobdella punctata, 81, 89
Erpobdellidae, 81, 82, 89, 90
 Erwin, T. L., 593, 594
 (see Ball, G. E.), 595, 616, 619, 621
esculentis, *Echinus*, 100
Estigmene acraea, 113, 115
Euchroina, 595
Eudiottria, 505, 506, 507, 508, 510, 511,
 512, 513, 523, 537, 538, 545, 546, 547,
 548, 549, 550
 albius, 537, 538, 539, 540, 541, 545, 548,
 549, 553, 559, 560, 562, 564, 565, 566,
 567, 568, 571, 574
 beameri, 537, 538, 540, 546, 547, 548,
 553
 brevis, 537, 538, 543, 546, 547, 548, 553,
 559, 573, 575
 denuda, 537, 539, 542, 543, 545, 548,
 Eudiottria (continued),
 denuda (continued), 549, 553, 572, 575
 disjuncta, 537, 538, 543, 544, 546, 547,
 548, 553
 dissimilis, 509, 537, 538, 541, 542, 545,
 548, 549, 553, 571, 574
 doanei, 537, 538, 541, 546, 547, 548, 553,
 572, 575
 media, 509, 537, 538, 541, 545, 547, 548
 571, 574
 monrovia, 509, 537, 538, 541, 545, 548
 549, 553, 571, 574
 nitida, 537, 539, 542, 545, 548, 549, 553,
 572, 575
 propinqua, 538, 539, 540, 541, 545, 548,
 549, 554, 571, 574
 sackeni, 537, 538, 543, 544, 546, 547,
 548, 554, 559, 565, 573, 575
 tibialis, 537, 538, 543, 544, 546, 547, 548,
 554, 564
 unica, 537, 538, 543, 545, 548, 549, 553,
 554, 556, 566, 572, 575
Eudiptera, 4
Euoplothrips, 28
 Eurycoleoids, 143, 153, 154, 171-172
Eurycoleus, 143, 152, 153, 154, 156, 172,
 174, 175-176, 242
 macularis, 173, 177
Eurydera, 145, 148, 156
 lugubrina, 150
eurynotus, *Carabus*, 580
 Evans, H. E., 114, 122, 123, 124, 126, 621
 Evans, J. W. (see Woodward, T. E.), 59, 64, 68
 Evans, W. G., 499, 587-589, 621
Evarthrus, 596
Exoprosopa, 121
 Fabre, J. H. 122, 126
 Fabricius, J. C., 169, 241, 579, 580, 581, 582,
 583, 584, 585
 Fallugia paradoxa, 116, 117
 fasciatopunctata, *Coptodera*, 175
 fasciatopunctatus, *Carabus*, 583, 585
 fasciatus, *Aeolothrips*, 60, 62
 fasciolatus, *Carabus* (= *Buprestis connexus*),
 585
 Fattig, P. W., 215, 241
fedorovi, *Taeniothrips*, 65
 Fernald, H. T., 115, 126
Feronia, 586, 594

- Feronia*, (continued),
lacertosa, 584
navarica, 584
robusta, 584
 Ferris, G. F., 8, 11, 15, 18, 20, 21
ferrugineus, *Carabus*, 580
Ferus, 162
quadricollis, 143, 162
fervida, *Mooreobdella*, 81
festivus, *Carabus*, 581
flavicincta, *Thereva*, 576
flavicornis, *Carabus*, 582
flavipes, *Carabus*, 579
flavipes, *Dioctria*, 517
 Flickinger, E. L., 98, 99, 108
 Foehrenbach, J., 88, 93, 99, 103, 108
 Formicidae, 67
formosa, *Echthodopa*, 550, 551, 552, 554
Foudia sakalava, 155
 Fourcroy, A. F., 585
 Fox, A. C. (see Hannon, M. R.), 98, 108
 Frank, R. 102, 104, 105, 108
Frankliniella fusca, 25-68
tritici, 28, 61, 62, 68
Franklinothrips, 55
Fraxinus velutina, 117
 Fredeen, F. J. H., 69, 70, 76, 93, 102, 108
 Frey, P. J., 69, 93
frontalis, *Rhantus*, 84
 Fuhrman, D. K. (see Bradshaw, J. S.), 76, 92
fuliginosus, *Carabus*, 579
fulva, *Mytilaspis*, 59
fulvus, *Carabus*, 580
fungi, 175
furculifer, *Cyrtolaus*, 591, 598, 599, 600, 602, 605, 606, 608, 609, 610, 611, 612, 613, 615, 617, 618
fusca, *Frankliniella*, 25-68
fusca, *Helobdella*, 81
fuscipes, *Carabus*, 580
 Gabouriaux, D., 62, 63, 67
gagates, *Alpaeus*, 580
Gambusia affinis, 99, 101
Gammarus, 99, 100
 Gaskin, L. J. P., 579, 586
 Gastropoda, 77, 78, 79, 89, 90, 91
 Gaul, J. A. (see Barry, H. C.), 76, 92
geniculata, *Phloeoxena* (*Oenaphelox*), 157, 166, 182, 206, 207, 208, 209, 210, 212, *geniculata*, *Phloeoxena* (*Oenaphelox*), (continued), 213, 214, 227, 229, 231, 232, 233, 235
 Gerlach, A. R. (see Terriere, L. C.), 98, 110
 Germar, E. F., 579, 584, 586
gibbus, *Scarites*, 583
 Gillasp, J. E., 121, 126
 Gish, C. D., 88, 93, 103, 108
glabrata, *Biomphalaria*, 93
Glanodes, 239
Glossiphonia complanata, 81
 Glossiphoniidae, 81, 82, 89, 90, 104
Glyptotendipes, 80, 81, 90
 Gnatzy, W. (see Schmidt, K.), 63, 66, 67
 Godsil, P. J., 98, 108
 Goeze, J. A. E., 580
goldeye, 102
goldweed, 117
gorodkovi, *Dialineura*, 577, 578
 Gouin, F., 60, 66
 Goulet, H. 234, 238, 241, 617, 619, 621
graminis, *Haplothrips*, 28, 43
graphiptera, *Phloeoxena* (*Phloeoxena*), 199, 201
graphiptera var. *limbicollis*, *Phloeoxena* (*Phloeoxena*), 143, 199
Graphoderus, 84
occidentalis, 84
perplexus, 84
 Grassé, P. P., 61, 66
grasshopper, 121, 123
grass shrimp, 99
 Graves, J. B. (see El Sayed, E. I.), 102, 108
 Green, R. S., 70, 94
 Greichus, Y. A. (see Hannon, M. R.), 98, 108
 Griffiths, G. C. D., 3-5, 129-142
grumifer, *Cyrtolaus*, 591, 598, 599, 600, 602, 604, 606, 608, 609, 610, 611, 612, 613, 615, 617, 618
 Grundmann, E. (see Basilewsky, P.), 581, 585
 Gryllidae, 63, 66, 67
Gryllus bimaculatus, 63, 66, 67
 Grzenda, A. R., 69, 94
 Guerin, F. E., 583, 586
 Gunnerson, G. C. (see Green, R. S.), 70, 94
 Gunther, F. A. (see Westlake, W. E.), 70, 71, 96
guppy, 95, 110
guttatus, *Pericalus*, 150
gygas, *Enceladus*, 583

- Gynaikothrips uzeli*, 28
 Habu, A., 147, 152, 154, 156, 166, 169, 171, 176, 241
Hackelia, 133, 134
 americana, 134
haemorrhoidalis, *Heliothrips*, 65
 Haga, K., 26, 55, 58, 66
hageni, *Enallagma*, 82, 83
halensis, *Carabus*, 582
 Halfpeter, G., 617, 619
 Hall, T. F. (see Wojtalik, T. A.), 88, 96, 100
 Hamelink, J. L., 104, 105, 106, 108
 Hanks, A. R. (see Petrocelli, S. R.), 104, 109
 Hannon, M. R., 98, 108
 Hansen, D. J. (see Booth, G. M.), 104, 107
 Hansen, W., 147, 153, 241
Hanseniella agilis, 19
 Hanström, B., 10, 18
Haplothrips graminis, 28, 43
 niger, 66
 statices, 60, 62
 verbasci, 25-68
hardwickii, *Catascopus*, 166
 Harpalinae, 148, 240, 619
 Harpalini, 153, 239, 241, 242, 619
Harpalus, 239
 corsicus, 584
 decepiens, 582
 Harrison, R. B. (see Davis, B. N. K.), 99, 102, 107
harti, *Ammophila*, 124
 Hartland-Rowe, R., 74, 94
 Hartman, C., 114, 122
 Hartmann, C. G., 126
 Hatfield, C. T., 69, 94
 Hayat, M. A., 243, 244
 Hearle, J. W. S., 28, 66
 Hedgpeth, J. W., 11, 18
 Heleomyzidae, 5
 Heleomyzinae, 5
Helianthus petiolaris, 116, 117
Heliothripinae, 64
Heliothrips haemorrhoidalis, 65
Heliotropium, 132
heliopioides, *Carabus*, 584
Helisoma atopodonta, 79
 trivolvus, 78, 79, 90
 hellgrammite, 99
Helluo, 583
Helluo (continued),
 costatus, 583
 Helluonini, 153, 242
hellwigii, *Carabus*, 580
 Helm, J. M. (see Moubry, R. J.), 99, 109
Helobdella fusca, 81
 stagnalis, 81, 90
Helodrilus, 103
 Hemimetabola, 16
 Heming, B. S., 25-68, 501-502
 Hemiptera, 68, 77, 99
 hemipteroids, 61, 66, 67
 Henke, C. F. (see Breidenback, A. W.), 75, 92
 Hennig, W., 4, 60, 61, 66, 222, 241, 506, 507, 509
 511, 555, 593, 619
henshawii, *Dioctria*, 517, 560
henshawii, *Dioctria* (*Dioctria*), 517, 520, 521, 522, 553, 569
 Herbst, J. F. W., 583, 584
herculeano, *Phloeoxena* (*Tacana*), 143, 157, 180, 182, 183, 184, 185, 202, 224, 227, 229, 231, 232, 233, 235
herculeano, *Tacana*, 181
 Hering, E. M., 130, 137
 Hershkovitz, P., 235, 238, 241, 618, 619
 Heteroptera, 61, 64, 67
 Heterothripidae, 54, 55, 60, 64
 Hickey, J. J., 70, 94, 98, 108
 Hicks, C. H., 122, 124, 126
 Hill, L. O. (see Wojtalik, T. A.), 88, 96
Hippuris vulgaris, 71
hirsuta, *Podalonia*, 122
 Hirudinea, 76, 79, 81, 82, 89, 90, 91
 Hirwe, A. S. (see Kapoor, I. P.), 108
 Hitchcock, S. W., 69, 94
hoegi, *Phloeoxena* (*Oenaphelox*), 215
 Hogan, J. W. (see Macek, K. J.), 105, 109
Holcorderus, 145
 Holdaway, G. G. (see Loan, C.), 55, 66
 Holmgren, N., 10, 18
holosericens, *Carabus*, 581
 Holz, D. D. (see Macek, K. J.), 105, 109
Homalomorpha, 595
Homarus vulgaris, 100
 Homoptera, 59, 61, 63, 64, 66, 67, 68
Homo sapiens, 500
honestus, *Pterostichus* (*Gastrellarius*), 594
 honey tail, 502
 Hope, F. W., 581, 582, 584, 586

- Hoplothrips*, 28
 Hopkins, D. M., 523, 555
 Horn, G. H., 148, 176, 178, 215, 241
 hornbills, 154
 silvery-cheeked, 240
 hornwort, 71
 Horridge, G. A., 8, 9, 18, 62, 65
 horsemint, 117
hortensis, *Cepaea*, 104, 107
horticula, *Chromatomyia*, 132
 Howse, P. E., 62, 63, 66
 Hughes, G. M. (see Bayrock, L. A.), 71, 92
 Hughes, N. F. (see Smart, J.), 8, 19
 Hughes, R. A., 88, 94, 102, 105, 108
 Hull, F. M., 505, 506, 507, 523, 529, 530, 555
 Hundley, J. C. (see Barry, H. C.), 76, 92
 Hunt, E. G., 70, 94, 98, 108
Hyallela azteca, 92
Hydropsyche, 99, 100
Hygrotus, 84
 dispar, 84
 sayi, 84
 hylid frogs, 234, 238, 241, 618, 619
 Hymenoptera, 60, 67, 113-127
 Hynes, H. B. N., 69, 94, 95
 Ide, F. P., 69, 94
 Illiger, J. C. W., 579, 580, 583
Illybius subaeneus, 84
imitatrix, *Phloeoxena* (*Phloeoxena*), 180, 188, 189, 190, 191, 192, 193, 225, 227, 229, 231, 232, 234
 Imms, A. D., 12, 13, 18, 19, 20, 21, 59, 60, 61, 66
impiger, *Carabus*, 579
impressus, *Carabus*, 579
inquinatus, *Stenopogon*, 576
insculpta, *Leilis*, 173, 174
 Insecta, 8, 14, 18, 19, 66, 68, 242, 619
intacta, *Leucorrhina*, 82
intermedia, *Dialineura*, 577
intermedius, *Aeolothrips*, 65
internum, *Sympetrum*, 82
interrupta, *Aeshna*, 83, 89, 90
interruptus, *Carabus*, 582
 Isaacson, P. A. (see Woodwell, G. M.), 98, 110
isabella, *Bohartia*, 505, 530, 531, 532, 533, 534, 535, 553, 559, 561, 564, 565, 566, *isabella*, *Bohartia* (continued), 567, 568, 570, 574
Ithytolus, 591, 593, 594, 598, 599, 606, 609, 614, 616, 617
 anomalus, 591, 598, 599, 600
 lobipennis, 607
 Janvier, H., 114, 126
 Japygidae, 18
janthinus, *Carabus*, 583
 Jeannel, R., 147, 148, 152, 154, 166, 169, 176, 180, 241, 583, 584, 586
 Jedlička, A., 147, 241
 Johnson, B. T., 88, 94, 97, 105, 106, 108
 Johnson, C. W., 517, 519, 544, 555
 Johnson, L. G. (see Morris, R. L.), 70, 95, 102, 104, 105, 109
 Johnson, L. Y. (see Barry, H. C.), 76, 92
 Johnson, W. C. (see Godsil, P. J.), 98, 108
 Jonasson, O. A. (see Kadis, V. W.), 91, 92, 94
 Jones, B. R., 69, 94
 Jones, J. R. E., 108
jozanus, *Myelaphus*, 528
Juglans major, 117
Juniperus deppeana, 117
jurine, *Carabus*, 585
 Kadis, V. W., 91, 92, 94
 Kallman, B. J. (see Bridges, W. R.), 70, 85, 86, 87, 93, 98, 107
 Kamal, A. (see Khan, M. A. Q.), 103, 109
 Kapoor, I. P. (see Metcalf, R. L.), 101, 103, 108, 109
 Karl, E. 555
 Kawatski, J. A., 88, 94, 104, 106, 108
 Keith, J. A., 70, 94, 98, 108, 109
 Kenaga, E. E., 85, 88, 94, 98, 99, 103, 105, 106, 109
 Kennedy, H. D., 69, 94
 Kertész, C., 555
 Kevan, D. K. (see Cutten, F. E. A.), 4
 Khalsa, M. S. (see Kapoor, I. P.), 108
 Khan, M. A. Q., 103, 104, 109
 Kiigemagi, U. (see Terriere, L. C.), 98, 110
 King, K. A., (see Flickinger, E. L.), 98, 99, 108
 Kirby, W., 166, 241, 606, 619
 Kirk, V. M., 215, 241
 Kjeirsgaard, A. A. (see Bowser, W. E.), 71, 92
 Knauer, G. A. (see Boothe, G. M.), 104, 107
 Konrad, J. G. (see Chesters, G.), 70, 93
 Korn, S. (see Macek, K. J.), 105, 109

- Koteja, J., 62, 66
 Kröber, O., 577
 Krombein, K. V., 114, 115, 121, 122, 126, 127
kugelanni, *Carabus*, 585
 Kurczewski, F. E., 114, 121, 124, 125, 127
 Labiatae, 129
Labocephalus, 145, 148, 156
 longipennis, 150
 striatus, 151
Laccophilus, 84
 biguttatus, 84
lacertosa, *Feronia*, 584
 Lachnophorina, 595
 Lacordaire, J. R., 147, 156, 161, 166, 172, 176, 241
Laemostenus, 579, 583,
 cornutus, *nomen nudum*, 583
laevigatus, *Carabus*, 584
Lamprias, 583,
 Lange, A. B., 55, 66
 Laphriinae, 506, 556
 Laphystiini, 507, 530
Lappula, 132
 largemouth bass, 102, 104
 Larink, O., 12, 16, 18
 Larrinae, 120, 127
Lasiopogon, 555
 Latham, J., 582
 Larson, D. J., 243, 245-498
laticinctus, *Clypeadon*, 114
latifolia, *Typha*, 71
 Latreille, P. A., 516, 555, 579, 581, 582, 583, 584, 585, 586
 Lauer, G. J. (see Grzenda, A. R.), 69, 94
 Learner, M. A. (see Edwards, R. W.), 69, 86, 93
Lebia, 154, 175, 221
 Lebiidae, 147, 242
 Lebiina (*sensu* Habu), 169
 Lebiinae, 147, 169, 241
 Lebiini, 145, 147, 149, 152, 153, 169, 240, 619
Lebistes reticulatus, 95, 110
 LeConte, J. L. 215, 241
 Lee, G. F. (see Hughes, R. A.), 88, 94, 102, 105, 108
 leeches, 89
 Leland, H. V., 103, 109
Lelis, 143, 152, 153, 154, 156, 172, 174-175, 177
 bicolor, 174
 insculpta, 173, 174
Lemna minor, 71
 triscula, 71, 74, 85
 Leng, C. W., 176, 178, 215, 241
 Lepidoptera, 60, 65
Lepidosaphes beckii, 59
Lepisma, 12
 saccharina, 18
Lepomis cyanellus, 99
 Leptogastrinae, 506, 554
Lestes congener, 83
 disjunctus, 83
 Lestidae, 83
Leucophaea maderae, 67
leucophthalmus, *Carabus*, 584
Leucorrhina intacta, 82
 Lewis, E. (see Gaskin, L. J. P.), 579, 586
 Lewis, T. R., 26, 55, 63, 64, 66
 Libellulidae, 81, 82, 83, 89, 90, 104, 499
 Libelluloidea, 499
 Lichnasthenini, 155, 169, 242
Lichnasthenus, 169
 Lichtenberg, J. J. (see Green, R. S.), 70, 75, 92, 94
 Lieftinck, M. A., 149, 241
Ligula, 121
Limax, 103
limbicollis, *Phloeoxena* (*Phloeoxena*), 181, 194, 195, 196, 198, 199, 202, 203, 204, 224, 226, 227, 229, 231, 232
Limnephilus rhombicus, 99, 100
Limothrips cerealium, 55, 58, 63, 65
 limpet, 100
 Lin, N. 114, 127
 Lindroth, C. H., 147, 241, 523, 555, 580, 586, 594, 619
lineata, *Stennoglossa*, 172, 173, 174
 Linnaeus, C., 516, 555, 579, 580, 581, 582, 583, 584, 585
 Linné, C., von, 577
Lioptera, 176
Liothrips, 54
 oleae, 55, 58, 63, 67
 Lithospermeae, 130
Lithospermum, 132
Liris nigra, 120, 127

- lithospermi*, *Phytomyza*, 129, 130, 131, 132
 liverwort, 71
 Livingstone, E. M. (see Eddy, C. O.), 28, 65
 Loan, C., 55, 66
lobicornis, *Ceraturgus*, 528
lobicornis, *Myelaphus*, 528, 529, 553, 559, 561, 565, 573, 575
lobipennis, *Cyrtolaus*, 591, 598, 599, 600, 601, 603, 606, 607, 610, 613, 615, 616, 617
lobipennis, *Ithytolus*, 607
lobipennis, *Pterostichus* (*Ithytolus*), 607
Lobodontus, 145
 lobster, 100
 Löding, H. P., 215, 241
 Loew, H., 524, 525, 549, 551, 555
longicornis, *Carabus*, 582
longicornis, *Dioctria*, 544
 var. *tibialis*, 544, 545
longipennis, *Labocephalus*, 150
 Loricerini, 619
 Loveridge, E. L. (see Bradshaw, J. S.), 76, 92
 Lovett, A. L. (see Cole, F. R.), 555
 Lu, P. -Y. (see Kapoor, I. P.), 108
lucida, *Oculobdella*, 81
 Luckmann, W. H. (see Moye, W. C.), 69, 95
Loxandrus, 594
luctuosa, *Podalonia*, 122, 124, 126
lugubrina, *Eurydera*, 150
Lumbricus, 103,
 terrestris, 105
lunatus, *Carabus*, 581
lundbecki, *Trichophthalma*, 576
lunicollis, *Amara*, 580
lutescens, *Carabus*, 579
Lycopsis, 132
Lygaeus equestris, 502
Lymnaea, 88, 89
 elodes, 78, 79, 90
 stagnalis, 77, 78, 85, 90, 104
 Lyneborg, L., 499, 577-578
lyneborgi, *Dialineura*, 577
Lyperophorus, 594
Lytta viridana, 7, 9, 15, 16, 17, 18, 20
 Macek, K. J., 104, 105, 109
 MacGinitie, H. D., 523, 555
 Mackay, D., 70, 94
 Mackerras, I. M., 61, 66, 511, 555
Macromiidae, 499
 Macquart, D., 556
 macrozooplankton, 99, 100
macularis, *Eurycoleus*, 173, 177
maculicollis, *Phloeoxena* (*Oenaphelox*), 215
maderae, *Leucophaea*, 67
 Madge, R. B., 499, 579-586
maenas, *Carcinus*, 100
magna, *Daphnia*, 88, 93, 95, 107, 110
 Maindron, M., 156, 159, 162, 242
 Maitra, N. (see Khan, M. A. Q.), 103, 104, 109
major, *Juglans*, 117
 Mäkel, M., 60, 66
 Malacostraca, 12
 Maldonado-Koerdell, M., 234, 242
 Malfait, B. T., 234, 235, 242
 Mallis, A., 9, 11, 18
 Malzacher, P., 8, 16, 18
manilensis, *Corbicula*, 101
 Manton, S. M. (see Tiegs, O. W.), 8, 10, 11, 13, 18, 19, 20, 21
 (see Imms, A. D.), 12
 Marchal, P., 122, 127
 mare's tail, 71
marginatus, *Carabus*, 579, 581
marginatus, *Scarites*, 584
 Maris, P. J. (see Edwards, R. W.), 69, 86, 93
 Markin, G. P. (see Collins, H. L.), 99, 107
 Marsh, P. M. (see Bohart, R. M.), 114, 121, 126
 Martin, D. H., 507, 514, 515, 517, 518, 519, 530, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 556
 Martin, P. S., 208, 242
martini, *Bohartia*, 505, 530, 531, 533, 534, 535, 553, 564, 566, 570, 574
Mascarenhia, 180
 Maslin, T. P., 222, 242
 Masson, C., 62, 63, 67
 Mateu, J., 147, 155, 169, 242
 Matsuda, R., 8, 9, 12, 16, 18, 19, 20, 21, 60, 61, 67
 mealy bugs, 60
 Mecoptera, 60
media, *Dioctria*, 541
media, *Dioctria*, (*Eudioctria*), 541
media, *Eudioctria*, 509, 538, 545, 547, 548, 553, 571, 574
 group, 537, 541, 547
medium, *Dicolonus*, 505, 524, 525, 526, 527, 553, 561, 567

- Meeks, R. L., 85, 86, 87, 88, 89, 90, 93, 94, 95, 97, 109
- megalops*, *Phloeoxena* (*Phloeoxena*), 181, 193, 194, 195, 198, 199, 223, 224, 226, 227, 229, 231, 232, 233
- chiriquina*, 181, 195, 198, 202, 203, 204, 205
- complex, 228, 233
- erwinorum*, 143, 181, 194, 197, 198, 202, 203, 204
- megalops*, 181, 194, 196, 198, 202, 203, 204
- Megaloptera, 60
- Meigen, J. W. 516, 517, 519, 544, 556
- melanarius*, *Anchomenus*, 162
- Melander, A. L., 540, 544, 556
- Melanius*, 583
- melanocephalus*, *Carabus*, 580
- melanogaster*, *Drosophila*, 59, 67
- Melanophila acuminata*, 587-589
- melas*, *Myelaphus*, 528, 529, 553
- Melin, D., 509, 556
- Melis, A., 26, 55, 58, 60, 67
- Meloidae, 7, 17, 18
- Menke, A. S. (see Bohart, R. M.), 115, 126
- Menzie, C. M., 70, 95
- Merothripidae, 54, 55, 60, 64, 65
- Merothrips morgani*, 54
- Mertensia*, 133, 135, 136
- paniculata*, 131, 134, 135, 136, 141, 142
- mertensiae*, *Phytomyza*, 129, 130, 131, 132, 134, 135, 136, 139
- Metabletus*, 582
- Metadioctria*, 505, 506, 507, 508, 510, 511, 512, 513, 523, 535, 538, 553
- resplendens*, 535, 538
- rubida*, 534, 536, 559, 560, 563, 565, 566, 567, 568, 570, 574
- metallicus*, *Carabus*, 585
- Metaphragma planiceps*, 576
- Metcalf, R. L., 101, 103, 108, 109
- mexicanus*, *Catascopus*, 169
- Mexisphodrus*, 6, 593, 619
- Mickoleit, E., 26, 58, 60, 61, 62, 64, 67
- mice, 108, 619
- Microvelindopsis*, 169
- microzooplankton, 100
- midge, 107
- minax*, *Uca*, 101
- Minkiewicz, R., 114, 127
- minor*, *Lemna*, 71
- Minuthodes*, 145
- Miscelus*, 145
- Mitterpacher, L., von Mitterburg (see Piller, M.), 579
- Mochtherus*, 145
- molitor*, *Tenebrio*, 19
- Mollusca, 104, 109, 502
- Molops*, 584
- Monarda pectinata*, 117
- mongolica*, *Dialineura*, 577
- monrovia*, *Dioctria* (*Eudioctria*), 542
- monrovia*, *Eudioctria*, 509, 538, 542, 545, 548, 549, 553, 571, 574
- group, 537, 541, 547, 548
- montana*, *Phloeoxena* (*Phloeoxena*), 152, 181, 187, 188, 191, 192, 193, 222, 225, 227, 229, 231, 232, 238
- Moore, N. W., 69, 70, 95, 98, 103, 104, 106, 109
- Mooreobdella fervida*, 81
- morgani*, *Merothrips*, 54
- Moriarty, F., 85, 95, 98, 99, 103, 104, 105, 106, 109
- Mormolyce*, 143, 147, 148, 149, 154, 241
- phyllodes*, 148, 151
- Mormolycini, 148
- morosus*, *Carausius*, 18
- Morris, R. L., 70, 95, 102, 104, 105, 109
- mosquito, 101
- moss, 71
- Moubry, R. J., 99, 100, 109
- Mougeotia*, 71
- Mound, L. A., 65
- mountain ash, 117
- Moye, W. C., 69, 95
- Moyle, J. B. (see Jones, B. R.), 69, 94
- Muesebeck, C. F. W., 115, 127
- Muirhead-Thomson, R. C., 70, 85, 88, 95
- Müller, G., 580
- multipunctatus*, *Carabus*, 580
- munda*, *Bohartia*, 505, 530, 532, 533, 534, 535, 553,
- Murphy, P. G., 105, 109
- Murray, F. T., 60, 67
- Murray, W. D., 115, 127
- Musidoromorpha, 4
- mussel, 100, 104, 107

- mutilatus*, *Brachinus*, 580
Myadina, 595
Mydidae, 506, 511
Myelaphus, 505, 506, 508, 510, 511, 512, 513, 523, 527, 528, 529, 553
 dispar, 528
 jozanus, 528
 lobicornis, 528, 529, 553, 559, 561, 565, 573, 575
 melas, 528, 529, 553
 rufus, 528
Myiomorpha, 4
myosotica, *Phytomyza*, 129, 130, 131, 133, 136
Myosotidae, 130
Myosotis, 131, 132, 133
 alpestris, 134, 136
 asiatica, 134, 136
 sylvatica, 131
Myrdal, G. R. (see Moubry, R. J.), 99, 100, 109
Myriapoda, 8, 10, 14, 66
Mytilaspis fulva, 59
Mytilis edulis, 100
Nachtigall, W., 111-112, 501-502
Nannodioctria, 505, 506, 507, 508, 510, 511, 513, 514, 515, 516, 520, 521, 553, 556
Naqvi, S. M., 99, 101, 109
navarica, *Feronica*, 584
Necrophorus, 65
 vespilloides, 63
Nègre, J. (see Ball, G. E.), 146, 239, 592, 593, 594, 616, 619
Nematocera, 3, 507, 511
Nemomydas, 511
 pantherinus, 576
Neodioctria, 507, 514, 556
Neuroptera, 60
Newcomer, E. L., 122, 124, 127
Newsom, L. D., 28, 67, 95
newtoni, *Cyrtolaus*, 591, 598, 599, 600, 602, 606, 608, 609, 612, 613, 614, 615, 616, 618
Nicholson, H. P. (see Grzenda, A. R.), 69, 88, 94, 95
niger, *Carabus*, 584, 585
nigricentrum, *Dicolonus*, 505, 524, 525, 526, 527, 553, 567
nidicola, *Oecornis*, 154, 240
nidicola, *Paulianites*, 154
niger, *Haplothrips*, 66
nigra, *Liris*, 120, 127
nigricollis, *Phloeoxena* (*Phloeoxena*), 143, 181, 194, 195, 196, 198, 199, 200, 202, 203, 204, 224, 226, 227, 229, 231, 232
nigricornis, *Carabus*, 581
nigrita, *Carabus*, 583, 584, 585
nigrofemorata, *Dialineura*, 577
 sensu Lyneborg, 577
nigrohirta, *Podalonia*, 122
nigropiceus, *Phloeotherates*, 162
nitida, *Dioctria*, 542
nitida, *Dioctria* (*Eudioctria*), 542
 f. denuda, 542
 group, 537, 542, 547, 548
nitida, *Eudioctria*, 537, 539, 545, 548, 549, 553, 572, 575
nitor, *Bohartia*, 505, 530, 532, 533, 534, 535, 553
Noctuidae, 115
Nodularia, 71
Nonea, 132
Noonan, G. R., 153, 234, 242, 621
Notogonia pompiliformis, 127
Notonecta, 88, 89
 undulata, 78, 80
Notonectidae, 78, 81, 88, 89, 90, 91, 99
Nowakowski, J. T., 129, 130, 131, 137
nowakowskiana, *Phytomyza*, 129, 130, 132
Nycteis, 145, 153, 176
Nycteribiomorpha, 4
Nymphomyiidae, 4
Nystrom, R. F. (see Kapoor, I. P.), 108
oak, 117, 210
obliquus, *Scenedesmus*, 95, 109
oblongopunctatus, *Carabus*, 585
O'Brien, R. D., 95
obscura, *Phytomyza*, 137
obscuriviridis, *Catascopus*, 169
obtectus, *Aphoebantus*, 576
occidentalis, *Astata*, 122
occidentalis, *Graphoderus*, 84
Ochropisus, 143, 152, 153, 155, 156, 161, 163-164, 166, 234
 bembidiodes, 165
 caudalis, 163, 165
 concolor, 143, 158, 165-166, 167
Oculobdella lucida, 81

- Odacanthinae, 241
 Odacanthini, 148
 Odonata, 81, 83, 89, 90, 92, 499-500
 Oecornis, 169
 nidicola, 154, 240
 Oedogonium cardiacum, 101
 oelandicus, Asilus, 516
 Oenaphelox, 153, 155, 156, 179, 180, 205,
 206, 208, 209, 212, 213, 226, 228, 235
 236
 geniculata, 182
 pluto, 182, 223, 237
 signata, 180, 182, 223, 237
 undata, 180
 oleae, Liothrips, 55, 58, 63, 67
 Olivier, A. G., 582, 585
 Omaseus, 583
 Omphalodes, 132
 O'Neill, K. (see Mound, L. A.), 65
 Onychophora, 8, 13, 18
 Onypterygia, 595
 Oodes, 584
 ooligbucki, Dytiscus, 84
 Ophryogaster, 596
 Opuntia spinosior, 117
 Oreodicastes, 143, 152, 153, 155, 156, 159,
 234
 subcyaneus, 158, 160
 orestes, Rhagio, 576
 orizabae, Cyrtolaus (Ithytolus), 591, 598,
 599, 600, 601, 603, 605, 606, 612, 613,
 615, 616, 617
 orizabae, Pterostichus (Ithytolus), 600, 605
 ornatus, Pericalus, 150
 Orthoclaadiinae, 81
 Orthoptera, 63
 Oscillatoria, 71
 Osten Sacken, C. R., Baron von, 518, 528,
 556
 ostracods, 108
 ovalis, Carabus, 579
 ovalis, Phytomyza, 130, 131, 132, 133-134,
 135, 136, 138, 142
 Oxybelus, 114, 121
 sericeum, 126
 Oxyglossus, 156, 159
 subcyaneus, 156
 oysters, 104
 Pachyteles, 194
 pagana, Einfeldia, 81
 Palaeodipteron walkeri, 4
 pallipes, Carabus, 580
 paniculata, Mertensia, 131, 134, 135, 136,
 141, 142
 pantherinus, Nemomydas, 576
 Panzer, G. W. F., 579, 580, 581, 582, 583, 584,
 585, 586
 panzeri, Carabus, 585
 Papavero, N., 506, 556
 Parachironomus, 81
 paradoxa, Fallugia, 116, 117
 parallelepipedus, Carabus, 579
 Paraneoptera, 61
 parasitoids, 121
 Paratanytarsus, 81
 Paratrachocladus, 81
 parkeri, Prionyx, 124
 Parthenothrips dracaenae, 28
 parumpunctatus, Carabus, 580
 parvula, Dioctria, 538
 Pasinachus, 584
 Patella vulgata, 100
 Paulianites, 169
 nidicola, 154
 Paupoda, 14, 19
 Pauropus silvaticus, 19
 pavidus, Carabus, 579
 Paykull, G., 579-580, 581, 584, 585
 paykulli, Carabus, 584
 Peck, J. V. (see Durham, J. W.), 241
 pectinata, Monarda, 117
 pectinatus, Potamogeton, 71
 pectoralis, Einfeldia, 81
 Pelecypoda, 89
 Pelmatellus, 238, 241, 619
 Pelor, 584
 Pennak, R. W., 89, 95
 Pentagonicini, 240
 Pephrica, 169
 Percolaus, 594, 595, 596
 championi, 594
 Percus, 584
 Pericali, 147
 Pericalides, 147
 Pericalina, 113, 143, 147, 149, 153, 154, 155,
 156, 157, 158, 159, 161, 168, 169, 170, 171,
 173, 174, 175, 176, 179, 180, 182, 227, 234,
 238

- Pericalitae, 147
 Pericaloids, 143, 153, 154, 176
 Pericalus, 145, 153, 154, 176
 guttatus, 150
 ornatus, 150
 Perigonini, 240, 593
 Peripatopsis, 18
Periplaneta americana, 18
Peripristus, 145
perplexus, *Cottus*, 105
perplexus, *Graphoderus*, 84
 Pesson, P., 59, 60, 64, 67
 Peterle, T. J., 86, 90, 93, 95
 Peters, T. W. (see Bowser, W. E.), 71, 92
 Peterson, A., 60, 63, 64, 67, 508, 556
 Peterson, J. L. (see Bradshaw, J. S.), 76, 92
petiolaris, *Helianthus*, 116, 117, 139
petiolaris, *Phytomyza*, 129, 130, 131, 132,
 134, 135, 136, 141
 Petrocelli, S. R., 104, 109
 Pfefferkorn, G. E., 589
 Phasmida, 18
 Phellini, 507
Philophloeus, 145
 Phlaeothripidae, 25, 26, 28, 45, 54, 55, 58, 60,
 61, 63, 64, 66
Phlaeothrips coriaceus, 60, 62
Phloeotherates, 143, 153, 155, 162, 163
 chaudoiri, 158
 nigropiceus, 162
Phloeoxena, 113, 143-242, 619
 "Africanæ spuriae" species group, 179
 (*Oenaphelox*)
 geniculata, 157, 166, 206, 207, 208, 209,
 210, 212, 213, 214, 227, 229, 231,
 232, 233, 235
 hoegi, 215
 maculicollis, 215
 pluto, 206, 207, 210, 212, 213, 227, 229,
 231, 232, 233, 235
 signata, 206, 208, 209, 210, 212, 213,
 214, 215, 216, 217, 218, 219, 220,
 226, 227, 229, 231, 232, 233, 234,
 235
 var. *collaris*, 215
 hoegi, 221
 nigripennis, 215
 signata, 221
 undata, 157, 180, 206, 207, 208, 209,
 Phloeoxena (continued),
 undata (continued), 210, 211, 212, 213,
 227, 229, 231, 232, 233, 235
 undulata, 208
 (*Phloeoxena*), 153, 180, 184, 235, 236, 237
 costata, 182, 184, 187, 191, 192, 193, 222,
 225, 227, 229, 231, 232
 dealata, 181, 187, 188, 189, 191, 192, 193,
 225, 227, 229, 231, 232, 238
 graphiptera, 199, 201
 var. *limbicollis*, 143, 199
 imitatrix, 180, 188, 189, 190, 191, 192,
 193, 225, 227, 229, 231, 232, 234
 limbicollis, 181, 194, 195, 196, 198, 199,
 202, 203, 204, 224, 226, 227, 229, 231,
 232
 megalops, 181, 193, 195, 198, 199, 223,
 224, 226, 227, 228, 229, 231, 232, 233
 chiriquina, 181, 195, 198, 202, 203,
 204, 205
 erwinorum, 143, 181, 194, 197, 198,
 202, 203, 204
 megalops, 181, 194, 196, 198, 202,
 203, 204
 montana, 152, 181, 187, 188, 191, 192,
 193, 222, 225, 227, 229, 231, 232, 238
 nigricollis, 143, 181, 194, 195, 196, 198,
 199, 200, 202, 203, 204, 224, 226, 227,
 229, 231, 232
 picta, 143, 178, 184, 186, 190, 195, 198,
 199, 201, 202, 203, 204, 223, 224, 226,
 228, 229, 233, 234, 237, 238, 239
 apicalis, 143, 181, 186, 200, 201, 202,
 203, 204, 205, 226, 227, 229, 231,
 232
 batesi, 143, 181, 186, 195, 199, 200,
 201, 202, 203, 204, 205, 226, 227,
 229, 231, 232, 233
 franiae, 143, 181, 195, 198, 199, 200,
 201, 202, 203, 204, 205, 226, 227,
 229, 231, 232
 picta, 181, 186, 195, 199, 200, 201,
 202, 203, 204, 205, 226, 227, 229,
 231, 232
 unicolor, 157, 181, 186, 200, 202, 203,
 204, 205, 224, 226, 227, 229, 231,
 232, 233
 plagiata, 180, 188, 189, 191, 192, 193, 225,
 227, 229, 231, 232

- Phloeoxena* (continued),
 (*Phloeoxena*)
portoricensis, 182, 188, 189, 190, 191,
 192, 193, 225, 227, 229, 231, 232,
 238,
schwarzi, 143, 182, 184, 186, 187, 188,
 189, 190, 191, 192, 193, 222, 223,
 225, 227, 228, 229, 231, 232, 233,
 234, 237, 238
 "species verae", 179
unicolor, 143, 200
(Tacana) herculeano, 143, 157, 180, 182,
 183, 184, 185, 186, 202, 224, 227, 229,
 231, 232, 233, 235
Phoromorpha, 4
Phthiraptera, 61
phyllodes, *Mormolyce*, 148, 151
Physa, 101
physapus, *Thrips*, 60, 62, 67
Phytomyza, 113, 129-142
atricornis, 137
beringiana, 129, 130, 131, 132, 135-136, 140
lithospermi, 129, 130, 131, 132
mertensiae, 129, 130, 131, 132, 134, 135,
 136, 139
myosotica, 129, 130, 131, 133, 136
nowakowskiana, 129, 130, 132
obscura, 129, 137
ovalis, 130, 131, 132, 133-134, 135, 136,
 138, 141
petiolaris, 129, 130, 131, 132, 134-135,
 136, 139, 141
pulmonariae, 129, 130, 131, 132
symphyti, 129, 130, 131, 132, 135, 137
syngenesiae, 134
Picard, F. 122, 127
piceus, *Scarites*, 584
picipes, *Carabus*, 579
picta, *Phloeoxena* (*Phloeoxena*), 143, 178,
 184, 198, 199, 202, 203, 204, 223, 224,
 226, 233, 234, 237, 238, 239
apicalis, 143, 181, 186, 200, 201, 202, 203,
 204, 205, 226, 227, 229, 231, 232
batesi, 143, 181, 195, 199, 200, 202, 203,
 204, 205, 226, 227, 229, 231, 232, 233
franiae, 143, 181, 195, 198, 199, 200, 201,
 202, 203, 204, 205, 226, 227, 229, 231,
 232
group, 233, 234, 235
picta, *Phloeoxena* (*Phloeoxena*) (continued),
picta, 181, 186, 195, 199, 200, 201, 202,
 203, 204, 205, 226, 227, 229, 231, 232
unicolor, 157, 181, 186, 200, 202, 203, 204,
 205, 224, 226, 227, 229, 231, 232, 233
pictipennis, *Ammophila*, 124
Pieris brassicae, 65
rapae, 13, 16, 18
pike, northern, 102
Piller, M., 579
Pillmore, R. E. (see *Rudd*, R. L.), 70, 98
pipiens, *Culex*, 88
quinquefasciatus, 101
plagiata, *Phloeoxena* (*Phloeoxena*), 180, 188,
 189, 191, 192, 193, 225, 227, 229, 231, 232
planiceps, *Metaphragma*, 576
plankton, 98, 102
Planorbidae, 88, 89
Platynella, 595, 596
Platynus, 6, 154, 584, 593, 594, 595, 619
consularis, 6
convexus, 6
ebenius, 6
porrectus, 6
teter, 6
tinctipennis, 6
tlamayensis, 7
wrightii, 117
Platysma, 584
Plenoculus davisii, 114, 127
pleuralis, *Dioctria*, 517, 553
 (*Dioctria*), 517, 518, 520, 521, 522, 559,
 560, 563, 566, 567, 568, 569
pluto group, *Phloeoxena*, 206, 233, 235
pluto, *Phloeoxena* (*Oenaphelox*), 182, 206,
 207, 210, 212, 213, 224, 227, 229, 231,
 232, 235, 237
Poa pratensis, 71
Podalonia, 123, 126, 127
affinis, 122
atrocyanea, 122
caucasica, 122
chalybea, 122
communis, 122, 124
hirsuta, 122
luctuosa, 122, 124, 126
nigrohirta, 122
robusta, 122, 124
tydei, 122

- Podalonia* (continued),
valida, 113-127
violaceipennis, 122, 124, 126
Podocarpus, 208
Podonosma, 132
Poecilus, 585
Pogonomyrmex, 117, 118
poguras, *Cancer*, 100
Poisson, R., 64, 67
Polistichus, 585
politum, *Trypoxylon*, 126
pompiliformis, *Notogonia*, 127
Pontoppidan, E., 580
Poodry, C. A., 59, 67
Populus balsamifera, 71
porrectus, *Platynus*, 6
portoricensis, *Phloeoxena* (*Phloeoxena*), 182,
188, 189, 190, 191, 192, 193, 222, 225,
227, 229, 231, 232, 238
Postlethwait, J. H., 60, 67
Potamogeton pectinatus, 71
Potts, G. R. (see Robinson, J.), 88, 93, 99,
106, 110
Powell, J. A. 121, 127
prasinus, *Carabus*, 580
pratensis, *Poa*, 71
Priesner, H., 26, 39, 54, 55, 60, 61, 62, 64, 67
Prionyx atratus, 122
parkeri, 124
pubidorsus, 124
thomae, 122
Pristolomus, 143, 153, 156, 162
dentifer, 158, 162
Pristonychus, 583
complanatus, 583
Pristosia, 594
Pristosiae, 593
Pristosiina, 594, 595
procera, *Ammophila*, 121
Procrustes, 585
Proctacanthus, 507
propinqua, *Dioctria*, 540
(*Eudioctria*), 540
propinqua, *Eudioctria*, 538, 539, 540, 541,
545, 548, 549, 553, 571, 574
Prospodrus, 593
Protozoa, 501
Psammophila, 126
Psectrocladius, 81
Psectrotanypus, 81
Pseudococcidae, 60
Pseudococcus, 66
Pseudomaseus, 583
Pseudomorphini, 240
Psilocephala variegata (*sensu latiore*), 577
Psocoptera, 61, 65
Psylla buxi, 59, 68
Psyllidae, 59, 63
Pterostichi, 593, 616
Pterostichina, 593, 594, 595
Pterostichini, 147, 153, 499, 591-619
Pterostichus, 585, 594, 595, 600, 605
(*Gastrellarius*) *honestus*, 594
(*Ithytolus*), 599
anomalus, 600, 605
orizabae, 600, 605
lobipennis, 607
(*Ophryogaster*) *anomalus*, 600
pubera, *Echthodopa*, 549, 550, 551, 552, 554,
559, 560, 565, 573, 575
pubidorsus, *Prionyx*, 124
pulchrum, *Dicolonus*, 505, 524, 525, 526, 527,
553
pulmonariae, *Phytomyza*, 129, 130, 131, 132
punctata, *Erpobdella*, 81, 89
purpuratus, *Dicaelus*, 581
pusio, *Dioctria* (*Dioctria*), 517, 518, 520, 521,
522, 553, 559, 560, 562, 563, 565, 574
quadricollis, *Ferus*, 143, 162
quadricollis, *Stenognathus* (*Stenognathus*),
143, 158, 160, 162, 164
quadrinaculatus, *Carabus*, 581, 582
Quercus emoryi, 117
radiata Rohd., *Architipula*, 5
Rana temporaria, 93
Rangia cuneata, 109
rapae, *Pieris*, 13, 16, 18
Raphidioidea, 60
Rau, N. (see Rau, P.), 121, 124, 127
Rau, P., 121, 124, 127
Razvyazkina, G. M. (see Lange, A. B.), 55, 66
redhorse, northern, 102
Refonia, 594
Reichardt, H., 153, 166, 169, 174, 175, 176,
242, 511, 556, 595, 619, 621
Reiche, E., 175, 242
Reinert, R. E., 88, 95, 105, 109
Rempel, J. G., 7-25

- resolutum*, *Coenagrion*, 82, 83
resplendens, *Metadioctria*, 535, 538
reticulatus, *Lebistes*, 95, 110
 Reyne, A., 55, 60, 63, 64, 67
Rhadine, 145
Rhagio, 511
 orestes, 576
 Rhagionidae, 511
Rhantus, 84
 consimilis, 84
 frontalis, 84
 wallisi, 84
Rhicciorcarpus natans, 71
rhombicus, *Limnephilus*, 99, 100
ricardo, *Cyrtolaus*, 591, 597, 598, 599, 600, 602, 603, 606, 608, 609, 611, 613, 615, 617, 618
 Ricardo, G., 514, 556
 rice, 108
 Richards, O. W., 114, 127
 Richardson, A. (see Robinson, J.), 99, 100, 106, 110
 Rippee, K. P. (see Bradshaw, J. S.), 76, 92
 Risebrough, R. W., 102, 110
 Risler, H., 26, 58, 60, 61, 62
 robber flies, 554, 555
 Robinson, J., 88, 93, 99, 100, 106, 110
robusta, *Feronia*, 584
robusta, *Podalonia*, 122, 124
 Rohdendorf, B. B., 3-5
 Romoser, W. S., 8, 18
 Roonwal, M. L., 12, 18, 20, 21
 Rondani, C., 577
 Rosen, J. D. (see Khan, M. A. Q.), 103, 104, 109
 Rosenberg, D. M., 69-96, 97-110
 Ross, H. H., 234, 235, 238, 242
 Rossi, P., 581, 582, 583, 584
rostrata, *Carex*, 71, 74, 85
rotundatus, *Carabus*, 579
rotundicollis, *Dinodes*, 581
 Rousseau, E., 148, 242
 Roussel, J. S. (see Newsom, L. D.), 28, 67
 Royer, L. M. (see Fredeen, F. J. H.), 70, 76, 93, 102, 108
rubida atripes, *Dioctria* (*Metadioctria*), 536
rubida, *Dioctria*, 535
 (*Metadioctria*), 536
rubida, *Metadioctria*, 535, 536, 553, 559, 560, 563, 565, 566, 567, 568, 570, 574
rubida nigripilosa, *Dioctria* (*Metadioctria*), 536
rubidus, *Dioctria*, 536
rubrocinctus, *Selenothrips*, 28
rufipes, *Dinodes*, 581
 Rudd, R. L., 70, 95, 98, 110
rufus, *Myelaphus*, 528
 Runnels, J., 109
Sabienus, 582
saccharina, *Lepisma*, 18
sackeni, *Dioctria*, 544
 (*Eudioctria*), 544
 sackeni f. rivalis, 544
 sackeni rivalis, 544
sackeni, *Eudioctria*, 537, 539, 543, 544, 546, 547, 548, 553, 565, 573, 575
 group, 537, 543, 544, 547, 548
 Sago pondweed, 71
 Saha, J. G. (see Fredeen, F. J. H.), 70, 76, 93, 102, 108
sakalava, *Foudia*, 155
 Salonen, L. (see Vaajakorpi, H. A.), 85, 86, 87, 88, 89, 95, 97, 110
 Saltatoria, 66, 67
 Samouelle, G., 579, 582, 586
 Sanborn, J. R., 101, 110
 Sanders, H. O. (see Johnson, B. T.), 88, 89, 94, 95, 97, 105, 106, 108
 Sangha, G. K. (see Metcalf, R. L.), 101, 109
sapiens, *Homo*, 500
 saugers, 102
 Saunders, C. R. (see Johnson, B. T.), 88, 94, 97, 105, 106, 108
 Savage, J. M., 234, 242
 Saxifragaceae, 137
sayi, *Hygrotus*, 84
Scaphinotus elevatus, 169
 Scarabaeidae, 103
Scarites bucephalus, 582
 calydonius, 582
 cyaneus, 580
 dama, 582
 depressus, 584
 gibbus, 583
 marginatus, 584
 piceus, 584
 sphaerocephalus, 582
 thoracicus, 583

- Scaritini, 242, 619
Scaurus sulcatus, 582
 Sceliphronini, 126
Scenedesmus obliquus, 95, 109
 Scenopinidae, 506
 Schafer, R., 59, 67
 Schaller, J. G., 582, 584
 Schaupp, F. G., 215, 242
 Schiner, J. R., 556
 Schjødte, J. C., 580
Schizogenius, 242, 619
 Schmidt, K., 63, 66, 67
 Schmidt-Goebel, H. M., 582
 Schmulbach, J. C. (see Kawatski, J. A.), 88, 94, 104, 106, 108
 Schneider, D., 60, 61, 62, 63, 67
 Schneiderman, H. A. (see Poodry, C. A.), 59, 67
 (see Postlethwait, J. H.), 60, 67
 Scholl, G., 8, 12, 15, 16, 17, 18, 20, 21
schwarzi, *Phloeoxena* (*Phloeoxena*), 143, 182, 184, 186, 187, 188, 189, 190, 191, 192, 193, 222, 223, 225, 227, 228, 229, 231, 232, 233, 234, 237, 238
 group, 238
Scirpus decoratella, 79
 validus, 71
scrobiculatus, *Carabus*, 580
 Scrophulariaceae, 39
 Scudder, G. G. E., 8, 18
sculptilis, *Colymbetes*, 84
 sea urchin, 100
 sedges, 71
 Sehgal, V. K., 129, 137
 Seidlitz, G. von, 169, 242
 Sekhon, S. S. (see Slifer, E. H.), 28, 61, 62, 63, 68
Selenothrips rubrocinctus, 28
seminole, *Dioctria* (*Dioctria*), 515
 (*Nannodioctria*), 514, 516, 519, 521, 553, 559, 560, 563, 565, 566
semisculatus, *Acilus*, 84
senecta, *Bohartia*, 505, 530, 532, 533, 534, 535, 553
sericeum, *Oxybelus*, 126
Sericoda, 594
 Serville, J. G. A., 584
sexpunctatus, *Carabus*, 579
 Sharov, A. G., 11, 17, 18, 19, 21
 shellfish, 99
 Shimp, N. F. (see Leland, H. V.), 103, 109
 Shuckard, W. E., 114, 127
Sialis, 99, 100
 Siewing, R., 10, 15, 16, 18
signata, *Coptodera*, 205, 213
signata, *Oenaphelox*, 180, 182, 223, 237
signata, *Phloeoxena* (*Oenaphelox*), 206, 208, 209, 210, 212, 213, 214, 215, 216, 217, 218, 219, 220, 226, 227, 229, 231, 232, 233, 234, 235
 var. *collaris*, 215
 group, 206, 207, 209, 223, 233, 235
 hoegi, 221
 var. *nigripennis*, 215
 signata, 221
 Silphidae, 63
silvaticus, *Pauropus*, 19
 Silvestri, F., 12, 18
simplex, *Dicolonus*, 524, 525, 526, 527, 553, 559, 561, 565, 573, 575
simplex, *Taeniothrips*, 28
 Simpson, G. G., 523, 555
 Simuliidae, 95
Simulium vittatum, 99, 100
 Singilini, 147, 155, 169, 242
 Singilis, 169
Sinurus, 145
 Siphonaptera, 60
 Skerrett, E. J., 76, 95
 Skrinde, R. T. (see Buescher, C. A.), 70, 93
 Slifer, E. H., 28, 61, 62, 63, 67, 68
 slugs, 102, 103, 104
 Smart, J., 8, 17, 19
 Smith, C. E. (see Newsom, L. D.), 28, 67
 Smith, D. J. (see Breidenback, A. W.), 75, 92
 snail, 101, 103, 104
 Snodgrass, R. E., 7, 9, 10, 11, 15, 16, 19, 20, 21, 58, 59, 60, 61, 68
 Somotrichini, 147, 169, 242
 somotrichoids, 143, 153, 155, 169
Somotrichus, 143, 147, 152, 153, 155, 169, 169
 unifasciatus, 152, 154, 169, 170
 vadoni, 169
 Sparrow, J. T. (see Hearle, J. W. S.), 28, 66
sparsipilosum, *Dicolonus*, 504, 524, 525, 526, 527, 553
 "species verae", *Phloeoxena*, 179
speciosus, *Sphecius*, 127

- Sphaerium*, 89
sphaerocephalus, *Scarites*, 582
Sphecidae, 113-127
Sphecinae, 126
Sphecini, 126
Sphecus speciosus, 114, 127
Sphecoidea, 126
Sphex, 114, 121
 tapanecus, 121, 126
Sphodri, 593
Sphodrides, 586
Sphodrina, 594, 595
Sphodrus venustus, *nomen nudum* (= *Pristonychus venustus*), 583
spinicauda, *Cyrtolaus*, 591, 598, 599, 600, 601, 603, 606, 607, 609, 610, 611, 613, 615, 616, 617
spinipes, *Blaps*, 584
spiniosior, *Opuntia*, 117
spoliatus, *Carabus*, 581
stagnalis, *Helobdella*, 81
stagnalis, *Lymnaea*, 77, 78, 85, 88, 90, 104
Stannard, L. J., 58, 64, 68
Stanton, R. H. (see Khan, M. A. Q.), 103, 104, 109
Staphylinidae, 102, 609
statice, *Haplothrips*, 60, 62
Steiner, A. L., 113-127
Steinmann, H., 8, 19
Stenoglossa, 143, 152, 153, 156, 163, 171, 172, 177, 194
 lineata, 172, 173, 174
 variegata, 172
Stenognathus, 143, 152, 153, 155, 156, 159-161, 162, 163, 166
 chaudoiri, 143, 162, 163, 164
 dentifer, 162, 164
 quadricollis, 143, 162
 (*Stenognathus*), 143, 153, 155, 161-162
 quadricollis, 158, 160, 164
Stenopogon inquinatus, 576
Stenotelus, 145
Sternorrhyncha, 61
Stickel, L. F., 70, 88, 93, 95, 103, 104, 106, 108, 110
Stomina, 595
Stone, A., 577, 578
Straneo, S. L., 171, 242
Streblomorpha, 4
 striatus, *Labocephalus*, 151
 striola, *Carabus*, 579
 striolatus, *Carabus*, 579
 subaeneus, *Illybius*, 84
 subappendiculatus, *Thyreopterus*, 180
 subcyaneus, *Carabus*, 583
 subcyaneus, *Oreodicastes*, 158, 160
 subcyaneus, *Oxyglossus*, 156
 subiridescens, *Cyrtolaus*, 591, 598, 599, 600, 601, 603, 606, 607, 608, 609, 612, 613, 615, 616, 617, 618
 suckers, longnose, 102
 white, 102
 sulcatus, *Scaurus*, 582
Sutherland, D. J. (see Khan, M. A. Q.), 103, 104, 109
sylvatica, *Myosotis*, 131
Sympetrum costiferum, 82
 internum, 82
Symphoromyia, 511, 576
Symphyla, 14
Symphyta, 60
symphyti, *Phytomyza*, 129, 130, 131, 132, 135, 137
Symphytum, 130, 132
syngenesiae, *Phytomyza*, 137
Synuchi, 593
Synuchina, 594, 595
Syrphidae, 556
tabaci, *Thrips*, 68
Tabanidae, 511, 555
Tabanomorphia, 506, 507
Tacana, 143, 152, 153, 155, 156, 180, 182, 223, 228, 233, 235, 236, 237
 herculeano, 181, 182-183
Tachalus, 594
Tachymenis, 194
Tachysphex, 114, 117, 121, 124, 125, 127
 terminatus, 121
Tachytes, 114
tadpoles, 93
Taeniothrips fedorovi, 65
 simplex, 28
Tarzwell, C. M., 70, 95
temporaria, *Rana*, 93
Tendipes, 88
Tenebrio, 16, 19
 molitor, 19

- tentans*, *Chironomus*, 105, 107
tenuis, *Bohartia*, 505, 530, 533, 534, 535, 553
tepanecus, *Sphex*, 121, 126
Terebrantia, 26, 63, 67
terminatus, *Tachysphex*, 121
Termitoxenimorpha, 4
terrestris, *Lumbricus*, 105
terricola, *Carabus*, 583, 584
Terriere, L. C., 98, 110
teter, *Dicaelus*, 581
teter, *Platynus*, 6
Tetragoneuria, 110
thapsus, *Verbascum*, 28
Thereva flavicincta, 576
Therevidae, 499, 506, 507, 577-578
Thermobia, 12
Theromyzon, 81
thomae, *Prionyx*, 122
Thompson, A. R., 70, 93, 103, 108
thoracicus, *Scarites*, 583
Thorpe, W. H., 13, 19
Thripidae, 25, 26, 28, 54, 55, 60, 61, 63-66, 68
Thripinae, 64
thrips, 63, 64, 65, 66, 67, 68
 red clover, 66
 tobacco, 66, 67
Thrips physapus, 60, 62, 67
 tabaci, 68
Thunberg, G., 580
Thurman, E. B., 9, 19
Thyreopterides, 147, 159, 240
Thyreopterinae, 147, 148
thyreopterines, 143, 148
Thyreopteritae, 147
thyreopteroids, 143, 153, 154, 156
Thyreopterus, 145, 156
 subappendiculatus, 180
Thysanoptera, 25, 26, 54, 55, 60, 61, 63, 64, 65, 66, 67, 68
Thysanotini, 147
Thysanura, 18, 61
tibialis, *Alpaeus*, 580
tibialis, *Dioctria* (*Eudioctria*), 544
tibialis, *Eudioctria*, 537, 538, 543, 546, 547, 548, 554, 564
Tiegs, O. W., 8, 14, 15, 17, 19, 20, 21, 60, 67
tiger beetles, 154
tinctipennis, *Colpodes*, 6
tinctipennis, *Platynus*, 6
Tipulidea, 5
Tipulomorpha, 4
tlamayensis, *Platynus*, 6
torridus, *Carabus*, 580
Trialeurodes vaporariorum, 59
Tribolum castaneum, 154
Trichodesma, 132
Trichophthalma lundbecki, 576
Trichoptera, 60, 89, 93, 242
triscula, *Lemna*, 71, 74, 85
tritici, *Frankliniella*, 28, 61, 62, 68
trivolis, *Helisoma*, 77, 78, 79, 88, 90
trout, brook, 105
truncatellus, *Carabus*, 582
Truncatipennes, 241, 593
tryoni, *Dacus*, 65
Trypoxylon, 114, 127
 politum, 126
Tsuneki, K., 115, 116, 122, 127
Tubulifera, 26, 63, 68
Tucker, R. K. (see Crosby, D. G.), 88, 93, 105, 107
tydei, *Ammophila*, 127
tydei, *Podalonia*, 122
Typha latifolia, 71
Uca minax, 101
Ullmann, S. L., 10, 19
undata, *Phloeoxena* (*Oenaphelox*), 157, 180, 206, 207, 208, 209, 210, 211, 212, 213, 227, 229, 231, 232, 233, 235
undulata, *Notonecta*, 78, 80
undulata, *Phloeoxena* (*Oenaphelox*), 208
unica, *Eudioctria*, 537, 538, 543, 545, 548, 549, 553, 554, 556, 566, 572, 575
unicolor, *Phloeoxena* (*Phloeoxena*), 143, 201
unifasciatus, *Somotrichus*, 152, 154, 169, 170
urothripines, 54
uzeli, *Gynaikothrips*, 28
Vaajakorpi, H. A., 85, 86, 87, 88, 89, 95, 97, 110
vadoni, *Somotrichus*, 169
vagus, *Camponotus*, 67
valida, *Podalonia*, 113-127
validus, *Catascopus*, 167
validus, *Scirpus*, 71
Van Middeltem, C. H., 71, 95
vaporariorum, *Trialeurodes*, 59
variegata, *Psilocephala* (*sensu latiore*), 577
variegata, *Stenoglossa*, 172

- Velindomimus*, 169
Velindopsis, 169
velutina, *Fraxinus*, 117
venustus, *Sphodrus*, *nomen nudum* (= *Pristonychus venustus*), 583
vera, *Dioctria*, 518
 (*Dioctria*), 517, 518, 520, 521, 553, 569, 574
verbasci, *Haplothrips*, 25-68
Verbascum, 39
 thapsus, 28
Verbesina encelioides, 116, 117
vernalis, *Carabus*, 585
vespillioideis, *Necrophorus*, 63
vestitus, *Carabus*, 581
violaceipennis, *Podalonia*, 122, 124, 126
violaceus, *Dicaelus*, 581
viduus, *Carabus*, 579
virginiana, *Diodontus*, 121
viridana, *Lytta*, 7, 9, 15, 16, 17, 18, 20
Vitis arizonicus, 117
vittatum, *Simulium*, 99, 100
vivalis, *Carabus*, 579
vulgaris, *Carabus*, 580
vulgaris, *Hippuris*, 71
vulgaris, *Homarus*, 100
vulgata, *Patella*, 100
Walker, E. M., 499-500, 539, 556
walkeri, *Palaeodipteron*, 4
Wallace, R. R., 69, 95, 99, 100, 104, 105, 110
walleye, 102
wallisi, *Rhantus*, 84
Walsh, D. F. (see Kennedy, H. D.), 69, 94, 105, 109
Walton, W. R., 508, 556
Watts, J. G., 28, 68
Waybrant, R. C. (see Hamelink, J. L.), 104, 105, 106, 108
weaver-birds, 154
Weber, H., 14, 15, 17, 19, 20, 21, 59, 60, 63, 64, 68
Weiss, C. M. (see Wilkes, F. G.), 97, 103, 104, 105, 106, 110
Wells, O. C., 243, 244
Wells, R. E. (see Bowser, W. E.), 71, 92
Welsh, P. S., 74, 96
West, A. W. (see Wallace, R. R.), 69, 95
Westlake, W. E., 70, 71, 96
Westwood, J. O., 579, 580, 581, 583, 584, 586
White, D. A. (see Bradshaw, J. S.), 76, 92, 106
White, M. J. D., 4
whiteflies, 59
white grubs, 103
Whitehead, D. R., 7, 183, 222, 234, 242, 499, 591-619
Wiebes, J. T. (see Lieftinck, M. A.), 149
Wigglesworth, V. B., 12, 19
Wilcox, J., 507, 511, 514, 515, 517, 518, 519, 530, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 555, 556
wilcoxi, *Dioctria* (*Dioctria*), 505, 517, 518, 520, 521, 522, 553, 569, 574
Wilkes, F. G., 97, 103, 104, 105, 110
Williams, F. X., 114, 122, 127
Williams, T. R. (see Hynes, H. B. N.), 69, 94
Willis, H. L., 616, 619
Williston, S. W., 528, 542, 544, 556
willow, 523
Wilson, A. J., 85, 86, 87, 93
Wojtalik, T. A., 88, 96
Wolin, R. J. (see Khan, M. A. Q.), 109
Wolkoff, A. W. (see Mackay, D.), 70, 94
Wood, D. M., 499, 505-576
Woodward, T. E., 59, 64, 68
Woodwell, G. M., 98, 110
wrightii, *Platynus*, 117
Wurster, C. F., 88, 96, 98, 103, 110
Wurzinger, K. -H. (see Dindal, D. L.), 104, 107
Xylocelia, 121
Yu, C. -C. (see Sanborn, J. R.), 101, 104, 107, 110
yuccae, *Bagnalliella*, 26, 61, 62
yellowfish, 102
Zabik, M. J. (see Derr, S. K.), 97, 104, 105, 107
Zaitzev, V. F., 577, 578
zonatus, *Carabus*, 581
zooplankton, 70, 75, 77, 88, 90, 91
Zygoptera, 81, 82, 83, 85, 89, 90





